

I am a qualified IT technician and self-hosting enthusiast seeking opportunities to learn and advance my career. Between motorcycling and writing, I've built and maintained a significant home IT lab and use it to run a number of services for use by friends and family, such as an XMPP server, Nextcloud instance and Git frontend.

## SKILLS

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**Basic knowledge** Rust, C, Javascript, PostgreSQL

**Intermediate knowledge** Cisco IOS, Python, Linux containers, Windows Server, VMWare ESXi, Network security, OpenWRT, Grafana, HTML, systemd

**Advanced knowledge** Linux administration, Lua, IP networking, computer hardware

## PROJECTS

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- **Minitel**: Network stack and related utilities for the OpenComputers mod for Minecraft (Lua)
- **LuPPC**: OpenComputers emulator for PowerPC Macintoshes, among others (C)
- **sitegen**: Static site generator supporting tags and RSS (Lua)
- **rconbridge**: Source rcon ↔ XMPP chat bridge (Python)

## EXPERIENCE

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### Student Technician at (Redacted) High School      Volunteer Teacher at Retired OnLine

*Student technician*      2015–2017  
Under Geoff Timms I spent a majority of my high school career assisting him manage and administrate the school network, learning about enterprise networking and user-facing support.

- Deploying new hardware and software
- Maintaining the school network
- Providing support for end-users
- Non-standard troubleshooting and problem-solving

### Manual Labour at Maromac Nurseries

*Maintenance and horticulture*      2019–2021

- Plant sorting
- Potting and planting
- Building maintenance

*Teaching and support*      2014–2020  
I spent several years teaching and assisting seniors weekly on a voluntary basis to better use the various computer hardware and software they wanted to master.

- Teaching classes relating to Linux, general software, and computer hardware
- Providing support for user machines
- Assisting with the organisation's website and archival storage
- Building, upgrading and maintaining user computers
- Assisting users to select computer hardware and software to suit their needs
- Maintaining and designing club computer systems
- Administration of and contribution to the club's user-facing wiki

## QUALIFICATIONS

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- 2019 Diploma of Information Technology - Networking  
NSW TAFE
- 2018 Certificate 4 in Information Technology - Networking  
NSW TAFE
- 2018 Certificate 3 in Information Technology - Networking  
NSW TAFE

## ACHIEVEMENTS

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2019: Bronze Medal,  
*WorldSkills Regional Cyber Security Competition*

## REFERENCES

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- Gordon Johns (PH Redacted)  
*Owner, Maromac Nurseries*
- Lachlan Black (PH Redacted)  
*Former President, Retired OnLine*
- Geoff Timms (PH Redacted)  
*Former IT Administrator, (Redacted) High School*

## CONTACT INFORMATION

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- Phone** (PH Redacted)
- Email** izaya@shadowkat.net
- Website** [shadowkat.net](https://shadowkat.net)
- XMPP** izaya@shadowkat.net
- GitHub** XeonSquared